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1. A method comprising:  
detecting motion within an imaged scene;  
capturing a digital representation of said scene  
in an imaging device;  
encoding information in said digital  
representation to indicate whether motion was detected; and  
transmitting said digital representation from  
said imaging device to a processor-based system over a bus.

2. The method of claim 1 including transmitting said  
digital representation over a Universal Serial Bus.

3. The method of claim 1 wherein capturing includes  
capturing image data representing said scene and wherein  
encoding information in said digital representation  
includes encoding information in place of image data.

4. The method of claim 3 including replacing  
intensity information in said digital representation with  
said motion information.

5. The method of claim 4 including providing a bit  
in said digital representation to indicate whether motion  
was detected.

1        6.    The method of claim 1 including decoding said  
2 digital representation and determining whether motion was  
3 detected.

1        7.    The method of claim 6 including controlling the  
2 storage of said digital representation on the processor-  
3 based system based on whether motion was detected.

1        8.    The method of claim 1 wherein encoding  
2 information in said digital representation includes forming  
3 a plurality of packets containing image data and replacing  
4 image data in one of said packets with information about  
5 whether motion was detected.

1        9.    An article comprising a medium storing  
2 instructions that enable a processor-based system to:  
3                detect motion within an imaged scene;  
4                capture a digital representation of said scene in  
5 an imaging device;  
6                encode information in said digital representation  
7 to indicate whether motion was detected; and  
8                transmit said digital representation from said  
9 imaging device to a processor-based system over a bus.

1        10.   The article of claim 9 further storing  
2 instructions that enable the processor-based system to

3 transmit said digital representation over a Universal  
4 Serial Bus.

1 11. The article of claim 9 further storing  
2 instructions that enable the processor-based system to  
3 capture image data representing said scene and encode  
4 information in said digital representation in place of  
5 image data.

1 12. The article of claim 11 further storing  
2 instructions that enable the processor-based system to  
3 replace intensity information in said digital  
4 representation with said motion information.

1 13. The article of claim 12 further storing  
2 instructions that enable the processor-based system to  
3 provide a bit in said digital representation to indicate  
4 whether motion was detected.

1 14. The article of claim 9 further storing  
2 instructions that enable the processor-based system to  
3 decode said digital representation and determine whether  
4 motion was detected.

1 15. The article of claim 14 further storing  
2 instructions that enable the processor-based system to

3 control the storage of said digital representation on the  
4 processor-based system based on whether motion was  
5 detected.

1 16. The article of claim 9 further storing  
2 instructions that enable the processor-based system to form  
3 a plurality of packets containing image data and replace  
4 image data in one of said packets with information about  
5 whether motion was detected.

1 17. A digital imaging device comprising:  
2 a motion detector;  
3 an imaging element to capture image data  
4 representing an image; and  
5 a serial bus interface, coupled to said imaging  
6 element and said motion detector, said serial bus interface  
7 forms a plurality of packets containing said image data for  
8 transmission over a bus, serial bus interface incorporates  
9 information about whether motion was detected into said  
10 packets containing said image data.

1 18. The device of claim 17 wherein said serial bus  
2 interface is coupled to a Universal Serial Bus.

1 19. The device of claim 17 including a processor-  
2 based device coupled to the bus, said motion detector,

3 serial bus interface and imaging element also coupled to  
4 said bus.

1 20. The device of claim 17 wherein said serial bus  
2 interface forms said image data into packets including both  
3 a payload and a header.

1 21. The device of claim 20 including intensity  
2 information in said packets, said intensity information  
3 having a least significant bit.

1 22. The device of claim 21 including replacing said  
2 least significant bit with a bit indicating whether motion  
3 was detected by said motion detector.

1 23. A system comprising:  
2 a digital imaging device including a motion  
3 detector and a packetizer that converts image data captured  
4 by said imaging device into a plurality of packets;  
5 said motion detector coupled to said imaging  
6 device, said image device generating motion data, said  
7 packetizer packetizing said motion data;  
8 a processor-based device; and  
9 a bus coupling said processor-based device and  
10 said imaging device.

